

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Agriculture, Forestry and Fishing

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop an AgFF sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m. **Overview Presentations**

8:00–8:45 a.m.

Brad Husberg

- Overview of NORA and AgFF Sector
- Overview/examples of prevention through design in commercial fishing activities

8:45–9:15 a.m.

John Garland

- A forestry sector view of prevention through design: systems, operations, jobs, equipment and work practices

9:15–9:45 a.m.

Larry Chapman

- Overview/examples of prevention through design in agriculture

9:45–10:00 a.m. ~ BREAK ~

10:00 a.m.–Noon

Small Group Discussions of Questions 1 and 2: Café method

10:00–11:00 a.m.

Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated "host" to record ideas on the sheets in the appropriate folders, as provided.
- Discusses Question 1 for 25 minutes.

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

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Round 2:

- Table hosts stay at their table.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:00 a.m.–Noon

Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

Noon–1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a. What PtD research is needed to address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD research?
- c. What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a. What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?

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Agriculture, Forestry and Fishing

- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Full Group Discussion

- Discuss findings from small group discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.
- Form committee to work on AgFF-specific items for National PtD Strategic Plan.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The AgFF Rapporteur reviews the café table notes with a subset of others in the AgFF sector to prepare for the Day 3 reporting back session.

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Day 2—July 10, 2007

Construction

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a Construction sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m.

Progress to Date in Construction PtD

- Senior managers from large design-build firms will summarize what PtD means to them and the progress made in implementing PtD concepts within their firms.

8:00–8:10 a.m.

Introduction

Mike Toole – Moderator

8:10–8:20 a.m.

The OSHA Construction Alliance Roundtable

DfCS Workgroup

Stew Burkhammer

8:20–8:30 a.m.

The NIOSH NORA Construction Sector PtD Workgroup

TJ Lentz

8:30–8:40 a.m.

PtD at Bechtel

Kevin Berg

8:40–8:50 a.m.

PtD at BE&K

Rich Baldwin

8:50–9:00 a.m.

PtD at Jacobs

Jim Campbell

Richard Whitehead

9:00–9:10 a.m.

PtD at Parsons

Andy Peters

Peter Knox

9:10–9:20 a.m.

PtD at the Southern Co.

Bob Powers

Alan Speegle

9:20–9:45 a.m.

Whole group discussion

9:45–10:00 a.m.

~ BREAK ~

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Day 2—July 10, 2007

Construction

10:00-11:50 a.m.

Challenges and Barriers to Construction PtD

- Attorneys, insurance professionals, educators and researchers will summarize practical factors that hinder the implementation of PtD within individual firms and throughout the industry. Specifically, this session will focus on issues relating to designers lack of safety education and design tools and concerns about increased design costs and increased liability. A British researcher will review the UK's 1995 regulations mandating PtD and summarize the changes recently made to these regulations.

10:00-10:10 a.m.

Introduction

TJ Lentz – Moderator

10:10-10:20 a.m.

The Challenges of Maintaining Momentum

*David Engdahl
Haskell*

10:20-10:40 a.m.

Lessons Learned from the UK's CDM

*Alistair Gibb
Loughborough University*

10:40-10:50 a.m.

An Architect's Perspective on PtD

*Andrew Harte
BHD*

10:50-11:00 a.m.

What Engineers Traditionally Don't Know About Safety

*Brad Giles
Washington Group*

11:00-11:10 a.m.

The Gap in Design Professionals' Curricula

*John Gambatese
Oregon State University*

11:10-11:20 a.m.

Designers' Fear of Liability

Attorney TBA

11:20-11:30 a.m.

Insurance and PtD

Insurance Carrier TBA

11:30-11:50 a.m.

Whole group discussion

11:50 a.m.-Noon

Review of methods and outcomes for small group discussions

John Gambatese

Noon-1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Construction

1:15–2:15 p.m.

Small Group Discussions of Question 1 and Question 2: Café method

Participants self-select to small tables designated Question 1 (practice) or Question 2 (policy).

Each small table:

- Has a designated “host” to record ideas on the sheets in the appropriate folders, as provided.
- Discusses their question for 25 minutes.

After 25 minutes:

- Table hosts stay at their tables.
- Other table members travel to different tables (they may change to tables discussing the same question or a different question).
- Each table host continues the conversation on their question for an additional 25 minutes.

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Small Group Discussions of Question 3 and Question 4: Café method

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Construction

Discuss Question 3 (research) and Question 4 (education) in two rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a. What PtD research is needed to address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD research?
- c. What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a. What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD educational changes?
- c. What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15-3:30 p.m.

~ BREAK ~

3:30-3:40 p.m.

Request Volunteers

Mike Toole – Moderator

- Request and list volunteers to work on a construction sector-specific piece of the National PtD Strategic Plan.

3:40-4:40 p.m.

Café Findings

Mike Behm – Moderator

- Synthesize findings from the café discussions.

4:40-5:00 p.m.

Opportunities

Mike Toole – Moderator

- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The Construction Rapporteur reviews the café table notes with a subset of others in the Construction sector to prepare for the Day 3 reporting back session.

Prevention through Design

Workshop Agenda

Day 2—July 10, 2007

Healthcare and Social Assistance

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a Healthcare and Social Assistance sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–10:00 a.m. **Sector-Based Presentations and full group Q&A**

Teri Palermo – Moderator
NIOSH

- *Desired outcome: to give participants a preliminary, conceptual framework for OSH Design in Healthcare along with examples from different levels of the workplace organization, intended to stimulate participants' thinking about design issues in own work.*

8:00–8:15 a.m. *Teri Palermo*
NIOSH

- Opening remarks, diversity of the sector, major causes of illness and injury, provisional goals of the NIOSH agenda

8:15–8:40 a.m. *Margaret Quinn*
University of Massachusetts Lowell

- Review of the day's activities and desired outcomes
- Overview of OSH design in healthcare with examples from different levels of workplace organization

8:40–8:55 a.m. *Sally Edwards*
Lowell Center for Sustainable Production

- Overview of product design from a designers perspective; sustainable product design

8:55–9:10 a.m. *June Fisher*
University of California, SF Medical School and Program on Training for the Development of Innovative Control Technologies (TDICT)

- Product-user interface in the healthcare setting; the UCSF-Stanford design course

9:10–9:25 a.m. *Erica Stewart*
Kaiser Permanente

- Process and building design for workplace health and safety in hospitals

9:25–10:00 a.m. **Open questions for the panel with full group discussion**

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Healthcare and Social Assistance

10:00–10:15 a.m. ~ BREAK ~

10:15–11:45 a.m. **Full group discussion**

Margaret Quinn – Moderator
University of Massachusetts Lowell

Desired outcomes:

- 1) To begin building a working group on design for OSH in healthcare
- 2) To scope out the full range of design issues experienced by the group. The concept of design in OSH is new and additional work is needed to articulate its scope and applications.
- 3) To move from the conceptual framework and examples represented in the panel to concrete design-related issues in the participants' healthcare work.

11:45 a.m.–Noon

Introduction to the Café small group method

Mary Foley
American Nurses Association

Noon–1:15 p.m.

~ Lunch (Jefferson Ballroom) ~

1:15–2:15 p.m.

Small Group Discussions of Question 1 and Question 2: Café method

Participants self-select to small tables designated Question 1 (practice) or Question 2 (policy).

Each small table:

- Has a designated "host" to record ideas on the sheets in the appropriate folders, as provided.
- Discusses their question for 25 minutes.

After 25 minutes:

- Table hosts stay at their tables.
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- Each table host continues the conversation on their question for an additional 25 minutes.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Healthcare and Social Assistance

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

2:15-3:15 p.m.

Small Group Discussions of Question 3 and Question 4: Café method

Discuss Question 3 (research) and Question 4 (education) in two rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a. What PtD research is needed to address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD research?
- c. What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Healthcare and Social Assistance

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a. What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD educational changes?
- c. What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Sector-Based Group Discussions

Mary Foley – Moderator
American Nurses Association

June Fisher – Rapporteur
TDICT

- Identification of a committee to work on HCSA sector-based portion of the NIOSH PtD Strategic Plan.
- Report back and findings of the small groups relative to the 4 NIOSH Questions.

5:00–6:00 p.m.

Rapporteur meeting

- The HCSA Rapporteur (June Fisher) reviews the café table notes with a subset of others in the HCSA sector to prepare for the Day 3 reporting back session.

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Day 2—July 10, 2007

Manufacturing

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a Manufacturing sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00-9:50 a.m. Sector-Based Presentations

8:00-8:30 a.m. **Overview of the Manufacturing Sector**

Mike Gressel

- Diversity of the sector
- Main drivers for research
 - Surveillance data: injury and illness trends in the Sector
 - Direct input from the Sector
 - Historical experience
- National Occupational Research Agenda (NORA)
 - The Manufacturing Sector Council: its role and current state
 - Interim Goals set by the Council
- PtD Successes from NIOSH research

8:30-9:00 a.m. **The Role of Management of Change in PtD**

Frank Renshaw

- How management of change is used to infuse good HS&E practices into the design of new processes, facilities and tasks

9:00-9:30 a.m. **Safety through Design:**

An Example in the Metal-Working Trades

David Parker

- A focused discussion of a PtD opportunity

9:30-9:50 a.m. **The Role of PtD in Building the Business Case for OS&H**

Dave Eherts

- A facilitated discussion of examples, success stories and experiences

9:50–10:00 a.m. ~ BREAK ~

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Manufacturing

10:00 a.m.–Noon

Small Group Discussions of Questions 1 and 2: Café method

10:00–11:00 a.m.

Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated “host” to record ideas on the sheets in the appropriate folders, as provided.
- Discusses Question 1 for 25 minutes.

Round 2:

- Table hosts stay at their tables.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:00 a.m.–Noon

Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

Noon–1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Manufacturing

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a.** What PtD research is needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD research?
- c.** What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a.** What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Sector-Based Discussions

- Request and list volunteers to work on a sector-specific piece of the National PtD Strategic Plan.
- Synthesize findings from the café discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The Manufacturing Rapporteur reviews the café table notes with a subset of others in the Manufacturing sector to prepare for the Day 3 reporting back session.

Day 2—July 10, 2007

Mining

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a Mining sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m. **Sector-Based Presentations (Mining Sector)**

8:00–8:20 a.m. **PtD and Personal Protective Equipment (PPE)**

Les Boord
NPPTL, NIOSH

8:20–8:40 a.m. **PtD Applications in Mining Dust Control**

Ed Thimons
PRL, NIOSH

8:40–9:00 a.m. **PtD Applications in Mining Noise and Ground Control**

Dr. R.J. Matetic
PRL, NIOSH

Pete Kovalchik
PRL, NIOSH

Susan Bealko
PRL, NIOSH

9:00–9:20 a.m. **The Coal Dust Explosibility Meter and PtD Applications**

Dr. Gerrit Goodman
PRL, NIOSH

9:20–9:45 a.m. **The Directional Life Line and PtD Applications**

Dr. Danrick Alexander
PRL, NIOSH

9:45–10:00 a.m. ~ Break ~

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Workshop Agenda

Day 2—July 10, 2007

Mining

10:00 a.m.–Noon

Small Group Discussions of Questions 1 and 2: Café method

10:00–11:00 a.m.

Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated “host” to record ideas on the sheets in the appropriate folders, as provided.
- Discusses Question 1 for 25 minutes.

Round 2:

- Table hosts stay at their tables.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:00 a.m.–Noon

Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

Noon–1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Mining

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations, as described below.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a.** What PtD research is needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD research?
- c.** What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations, as described below.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a.** What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ Break ~

3:30–5:00 p.m.

Mining Sector Discussions – Expectations

- Request and list volunteers to work on a sector-specific piece of the National PtD Strategic Plan.
- Synthesize the findings from the previous discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur Meeting

- The Mining Rapporteur reviews the café table notes with a subset of others in the Mining sector to prepare for the Day 3 reporting back session.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Services

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a Services sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m.	Sector-Based Presentations <i>David H. Wegman, M.D. – Moderator</i>
8:00–8:10 a.m.	Introductions
8:10–8:15 a.m.	Charge for the day <i>David Wegman</i>
8:15–8:20 a.m.	Description of NORA Services Sector <i>David Utterback</i>
8:20–8:30 a.m.	Surveillance Data on Services Sector: Injuries, Illnesses and Fatalities <i>David Utterback</i>
8:30–8:40 a.m.	OSHA Standards Cited in Select Services Industries <i>Jackie Annis</i>
8:40–8:50 a.m.	NORA Services Sector Council Goals with PtD Opportunities <i>Eileen Storey</i>
8:50–9:00 a.m.	NORA Public Safety Sub-Council Goals with PtD Opportunities <i>Terri Schnorr</i>
9:00–9:10 a.m.	Education and Schools <i>Eileen Storey</i>
9:10–9:20 a.m.	Hotel and Motel Housecleaning <i>Pamela Vossenas</i>
9:20–9:30 a.m.	Solid Waste <i>David Biderman</i>
9:30–9:40 a.m.	Public Safety <i>Tracy Thomas</i>
9:40–10:00 a.m.	Other issues to consider

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Day 2—July 10, 2007

Services

10:00–10:15 a.m. ~ BREAK ~

10:15 a.m.–12:15 p.m. **Small Group Discussions of Questions 1 and 2: Café method**

10:15–11:15 a.m. *Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.*

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a.** How can PtD practices address specific goals or important areas identified within the sector?
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- c.** What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated “host” to record ideas on the sheets in the appropriate folders, as provided.
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Round 2:

- Table hosts stay at their tables.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:15 a.m.–12:15 p.m. *Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.*

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a.** How can PtD policies address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD policies?
- c.** What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

12:15–1:15 p.m. ~ Lunch (Jefferson Ballroom) ~

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Services

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a.** What PtD research is needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD research?
- c.** What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a.** What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Sector-Based Discussions

- Request and list volunteers to work on a sector-specific piece of the National PtD Strategic Plan.
- Synthesize findings from the café discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The Services Rapporteur reviews the café table notes with a subset of others in the Services sector to prepare for the Day 3 reporting back session.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Transportation, Warehousing and Utilities

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a TWU sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m. **Opening Session**

8:00–8:15 a.m. **Welcome and Introductions**

8:15–8:35 a.m. **Occupational Safety and Health Concerns for the TWU Sector: Background and Stakeholder Input**
Stephanie Pratt, MM, MA
National Institute for Occupational Safety and Health

8:35–9:05 a.m. **Design, Error, Risk, and Safety**

Thomas B. Sheridan, ScD
Dot Volpe National Transportation Systems Center and Massachusetts Institute of Technology

9:05–9:25 a.m. **Mixing PtD and Water**

John Borowski, CIH, CSP
Black & Veatch Corporation

Paul Adams, MS, PhD
Applied Safety and Ergonomics, Inc.

9:25–9:45 a.m. **Designing a Safer Work Environment for EMS Personnel**

James D. Green, BSME, MBA
National Institute for Occupational Safety and Health

9:45–10:00 a.m. ~ BREAK ~

10:00 a.m.–12:10 p.m. **Small Group Discussions of Questions 1 and 2: Café method**

10:00–10:10 a.m. **Review of methods and outcomes for small group discussions**

Prevention through Design

Workshop Agenda

Day 2—July 10, 2007

Transportation, Warehousing and Utilities

10:10-11:10 a.m. *Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.*

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated "host" to record ideas on the sheets in the appropriate folders, as provided.
- Discusses Question 1 for 25 minutes.

Round 2:

- Table hosts stay at their tables.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:10 a.m.-12:10 p.m. *Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.*

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

12:10-1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Transportation, Warehousing and Utilities

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a.** What PtD research is needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD research?
- c.** What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a.** What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Sector-Based Discussions

- Discuss plans for developing a TWU sector-specific piece of the National PtD Strategic Plan.
- Synthesize findings from the café discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The TWU Rapporteur reviews the café table notes with a subset of others in the TWU sector to prepare for the Day 3 reporting back session.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Wholesale and Retail Trade

7:00–8:00 a.m. ~ Continental Breakfast ~

Expected Outputs from the Sector-Based Breakout Sessions:

- 1) Café discussions on the "four questions" and written notes from those discussions on the provided forms.
- 2) A list of volunteers to develop a WRT sector-specific piece of a National PtD Strategic Plan over the next six months.

8:00–9:45 a.m. **Sector-Based Presentations**

- | | |
|----------------|---|
| 8:00–8:15 a.m. | Welcome and introductions
<i>Paul Schulte</i>
NIOSH |
| 8:15–8:45 a.m. | <i>Vern Anderson</i>
NIOSH <ul style="list-style-type: none">▪ Major causes of injuries, illnesses, and fatalities▪ Provisional goals by the National Occupational Research Agenda (NORA) Sector Council |
| 8:45–9:15 a.m. | <i>John Mrosczyk</i> <ul style="list-style-type: none">▪ Sector goals/problems amenable to design interventions▪ Examples of PtD initiatives or programs in the sector |
| 9:15–9:45 a.m. | <i>Steve Guttmann</i>
<i>Art Longmate</i> <ul style="list-style-type: none">▪ Perspectives (e.g., from the point of view of engineers, architects, business or labor leaders, etc.) on how best to affect design decisions to improve occupational safety and health within the sector |

9:45–10:00 a.m. ~ BREAK ~

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Wholesale and Retail Trade

10:00 a.m.–Noon

Small Group Discussions of Questions 1 and 2: Café method

10:00–11:00 a.m.

Discuss Question 1 in two 25-minute rounds of small group conversations (Round 1 and Round 2), as described below.

Question 1: When considering the broad range of issues that fall within the functional area of practice¹:

- a. How can PtD practices address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD practices?
- c. What PtD practice opportunities are there for immediate action and how do we move forward on these opportunities?

Round 1, each table:

- Has a designated “host” to record ideas on the sheets in the appropriate folders, as provided.
- Discusses Question 1 for 25 minutes.

Round 2:

- Table hosts stay at their tables.
- Other table members travel to different tables.
- Each new table continues the conversation on Question 1 for an additional 25 minutes.

11:00 a.m.–Noon

Discuss Question 2 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 2: When considering the broad range of issues that fall within the functional area of policy:

- a. How can PtD policies address specific goals or important areas identified within the sector?
- b. How can we overcome barriers and use drivers to promote PtD policies?
- c. What PtD policy opportunities are there for immediate action and how do we move forward on these opportunities?

Noon–1:15 p.m.

~ **Lunch** (Jefferson Ballroom) ~

¹ The broad range of issues that fall within each functional area will be described during the plenary session on Day 1 of the workshop and written out for the café discussions.

Prevention through Design Workshop Agenda

Day 2—July 10, 2007

Wholesale and Retail Trade

1:15–3:15 p.m.

Small Group Discussions of Questions 3 and 4: Café method

1:15–2:15 p.m.

Discuss Question 3 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 3: When considering the broad range of issues that fall within the functional area of research:

- a.** What PtD research is needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD research?
- c.** What PtD research opportunities are there for immediate action and how do we move forward on these opportunities?

2:15–3:15 p.m.

Discuss Question 4 in two 25-minute rounds of small group conversations keeping the same table hosts, as described above.

Question 4: When considering the broad range of issues that fall within the functional area of education:

- a.** What PtD-related educational changes are needed to address specific goals or important areas identified within the sector?
- b.** How can we overcome barriers and use drivers to promote PtD educational changes?
- c.** What PtD educational opportunities are there for immediate action and how do we move forward on these opportunities?

3:15–3:30 p.m.

~ BREAK ~

3:30–5:00 p.m.

Sector-Based Discussions

- Request and list volunteers to work on a sector-specific piece of the National PtD Strategic Plan.
- Synthesize findings from the café discussions.
- Identify opportunities for which PtD action plans could be developed and results realized quickly.

5:00 p.m.

Adjourn Day 2 Sector Breakout Sessions

5:00–6:00 p.m.

Rapporteur meeting

- The WRT Rapporteur reviews the café table notes with a subset of others in the WRT sector to prepare for the Day 3 reporting back session.